

Product datasheet for **RC236018**

UBE2V1 (NM_001257395) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: UBE2V1 (NM_001257395) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: UBE2V1
Synonyms: CIR1; CROC-1; CROC1; UBE2V; UEV-1; UEV1; UEV1A
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC236018 representing NM_001257395
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCAGCCACCACGGGCTCGGTCCCTCGCAATTCGACTGTTGGAAGAACTCGAAGAAGGCCAGAAAG
GAGTAGGAGATGGCACAGTTAGCTGGGGTCTAGAAGATGACGAAGACATGACACTTACAAGATGGACAGG
GATGATAATTGGCCTCCAAGAACAATTTATGAAAACCGAATATACAGCCTTAAATAGAATGTGGACCT
AAATACCCAGAAGCACCCCTTTGTAAGATTTGTAAACAAAATTAATATGAATGGAGTAAATAGTTCTA
ATGGAGTGGTGGACCCAAGAGCCATATCAGTGCTAGCAAAATGGCAGAATTCATATAGCATCAAAGTTGT
CCTGCAAGAGCTTCGGCGCTAATGATGTCTAAAGAAAATATGAAACTCCCTCAGCCGCCGAAGGACAG
TGTTACAGCAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC236018 representing NM_001257395
Red=Cloning site Green=Tags(s)

MAATTGSVPRNFRLLLEELEGQKGVGDGTVSWGLEDDEMTLTRWTGMIIGPPRTIYENRIYSLKIECGP
KYPEAPPFVRFVTKINMNGVNSSNGVVDPR AISVLAKWQNSYSIKVVLQELRRLMMSKENMKLPQPEGQ
CYSN

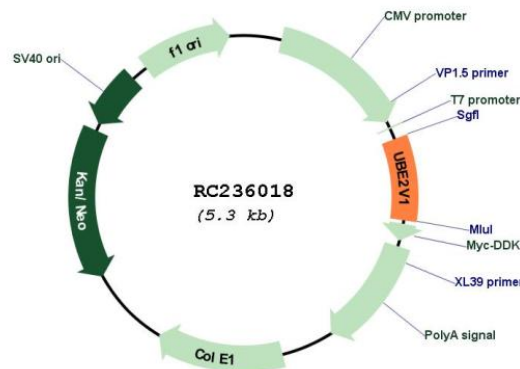
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001257395

ORF Size: 432 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001257395.2</u>
RefSeq Size:	2149 bp
RefSeq ORF:	435 bp
Locus ID:	7335
Cytogenetics:	20q13.13
Protein Families:	Druggable Genome, Transcription Factors
MW:	16.7 kDa
Gene Summary:	Ubiquitin-conjugating E2 enzyme variant proteins constitute a distinct subfamily within the E2 protein family. They have sequence similarity to other ubiquitin-conjugating enzymes but lack the conserved cysteine residue that is critical for the catalytic activity of E2s. The protein encoded by this gene is located in the nucleus and can cause transcriptional activation of the human FOS proto-oncogene. It is thought to be involved in the control of differentiation by altering cell cycle behavior. Alternatively spliced transcript variants encoding multiple isoforms have been described for this gene, and multiple pseudogenes of this gene have been identified. Co-transcription of this gene and the neighboring upstream gene generates a rare transcript (Kua-UEV), which encodes a fusion protein comprised of sequence sharing identity with each individual gene product. [provided by RefSeq, Apr 2012]